

FOLIO

UNIVERSITY OF ALBERTA
16 DECEMBER 1994

SEASON'S
GREETINGS

Natasha Affolder is U of A's latest recipient of a Rhodes Scholarship

Will pursue studies in international environmental law

By Michael Robb

Some evenings you can find Natasha Affolder walking the mean streets of Edmonton's inner city. Working for Crossroads, an outreach project designed to help street prostitutes, she hands out condoms, offers legal advice and sometimes represents them in court.

"It really drives home for me the enormity of social problems we have in Edmonton," says the University of Alberta's latest recipient of the prestigious Rhodes Scholarship.

"The fact that these problems are so immediate inspires me to do something about them," says Affolder, who also gives talks at battered women's shelters. "And a lot of the issues that really strike a chord with me do so because they affect women. I really feel driven to respond to the inequality and oppression that a lot of women face.

"I think the fact that I've lived in other places, not spoken the language, gotten the social customs wrong, and really had to ask for help and be vulnerable has allowed me to understand that it's not these people that are the problem, it's the situation they're in that's the problem.

"There's so much privilege and luck behind who ends up being represented in the courts and who ends up representing that person in the courts. If a lot of the people on the streets had the same opportunities I had, they'd be in law school."

And the mean streets keep getting meaner. "There's this new, end-of-the-month prostitution trend," Affolder explains. Girls—who normally aren't prostitutes—are working the streets because the welfare cheques aren't going to quite make it to the end of the month. People are just going out there to fill that gap, she says.

Affolder, one of three daughters, grew up in a family with a deep appreciation for the value of education. She finished one year of high school at Archbishop MacDonald, then two years at Lester B Pearson College in Victoria, where she completed an international bac-

calaureate. Her Pearson College experiences were formative; she shared a room with young women from four different countries. "It's not a boarding school for rich kids. There were students on campus from 75 countries, and it was there I became keenly aware of the world outside Canada."

Before she decided on where she would go to university, however, she had a rock climbing accident and broke both of her ankles. "I banged up my body," she says, adding that coming back home was very appealing.

She returned to Alberta, and applied to the U of A to begin a history degree. "Initially the University rejected me, saying I didn't have the equivalent of Grade 12. But they gave me an entrance scholarship, so I had to write back [and explain the situation]."

Continued on page 3



Learning how to learn is inherent in Computing 400 and Computing Science's internship program. Appreciating that fact are, from left, Brian Mah, Computing Science Professor Ursula Maydell, Michael Bilodeau and George Borlé. Please see story, page 10.



Natasha Affolder

Profile: Natasha Affolder

Academic awards

- Edmonton Consular Ball Scholarship in International Studies, 1994
- Belzberg Entrance Scholarship, Law, 1992
- Louise McKinney Scholarship, 1991
- Terry Fox Humanitarian Award, 1990
- Alexander Rutherford Scholarship, 1990
- City of Edmonton Achievement Award, debate, 1989
- First Place World Debating Championships, Australia, 1989
- Prince of Wales Scholarship, Lester Pearson College, 1988
- First Place Provincial Debate Championship, 1988

Athletic interests

- Rock climbing
- Hiking
- Skiing
- Camping

Volunteers for ...

- Student Legal Services, 1990-present
- Alberta Law Review, 1992-present
- Terry Fox Run, 1990-present
- International Service of the Red Cross, 1990-present
- Crossroads, an outreach project working with street prostitutes, 1992-present
- Edmonton Maximum Security Institution, 1992-present
- Women's Law Forum, 1992-present

Worked for ...

- United Nations Environment Programme, Nairobi, Kenya, July-August, 1994
- Court of Appeal of Alberta, May-June, 1994
- YWCA, program instructor for mentally challenged adults, 1992-present
- Red Cross Emergency Response Team, 1990-1993
- BC Provincial Emergency Response Program, 1988-1990

Senate strikes task force to examine technology in learning

Dianne Storey will chair eight-person task force

By Michael Robb

The University of Alberta Senate has established a task force to examine and make recommendations to the campus on the possible impact of current and future technological developments on teaching and learning.

The eight-person task force, led by Senator Dianne Storey, will also investigate the implications of these emerging technological developments for the delivery of postsecondary education.

Storey says there is an increasing feeling that the impact of technology on teaching and learning is becoming a more urgent matter. "The time horizon we would like to use is approximately to the year 2006, as we approach the University's 100th anniversary."

The task force will do three things: develop an overview of the learning environment of tomorrow; provide a snapshot of

the University's current and future uses of various technological developments; and gather and present recommendations on how the University can respond to needs and opportunities arising from the use of these technological developments.

The task force is inviting people on and off campus to make submissions. Written submissions may be made until 8 February 1995, and oral submissions will be sched-

uled from 16 to 27 January. Letters have been sent to Deans and Chairs, inviting them to make submissions.

The task force expects to submit its draft report to the Senate next fall.

For more information, call: Judy Weiss, Task Force Coordinator, The Senate, 150 Athabasca Hall. She can be reached at 492-2268 or fax 492-2448. Her E-mail address is jweiss@gpu.srv.ualberta.ca.

Redeveloped Cross Cancer Institute opens

Focus now on outpatient care and community services

By Judy Goldsand

One are the trailers outside on the grounds, and the groups of patients crowded in hallways. The redeveloped Cross Cancer Institute, which was officially opened 7 December, was designed to enhance patient comfort as well as cancer research and education. Institute Director Tony Fields is very proud of the new, expanded outpatient facilities and the state-of-the-art research laboratories totalling more than 3,500 square metres.

More than 200 people attended the opening ceremonies for the redeveloped Institute which has been undergoing renovation and construction since 1988. The Government of Alberta contributed \$96 million to the project, said Marvin Moore, former Minister in charge of hospitals who now chairs the Alberta Cancer Board.

A donor wall was unveiled by Beverly Feldman, chair of the Board of Trustees of the Alberta Cancer Foundation, assisted by

Shirley Allard and Kate Berreclough. The Honourable Tom Thurber, Minister of Public Works, Supply and Services, said the 500 names on the donor wall and 175 names in a Donor Album of Honour represent "what we can achieve when we work together."

"The Institute is fortunate to have many loyal donors," said Dr Fields. "As times get harder, we rely on them more. Private funding allows us to 'go that extra mile' to enhance our services."

The new facility has 44 inpatient beds as compared with 76 previously. This reflects a deliberate move to a whole new style of care, Dr Fields said. "During the past few years we have moved the focus of treatment from inpatients to outpatients."

"We learned to give care, traditionally done on an inpatient basis, in the day care unit. Treatment traditionally done in day care, we learned to give in the outpatient department and some things traditionally



The Cross Cancer Institute's new daycare unit named to honour former CCI Director Neil MacDonald: From left, nursing supervisor May Kennedy, Sharon Caputo, Elaine Millard, Val Kamitomo, Marg McFarlane, Krista Rawson, Isobel Maracle and Dr MacDonald.

done in the outpatient department, we started doing in the community in partnership with other caregivers." This move to outpatient care has worked well, so that even with more new patients, fewer hospital beds are now required.

The number of people diagnosed with cancer will increase by 50 percent in any 10-year period, said Dr Fields, and this is expected to continue well into the next century. Not only is the world's population increasing, it's aging. Cancer is a disease that predominantly affects older people, so as we become healthier as a society and live

longer, it puts us at higher risk for cancer, he said.

Even correcting for age, there has been an upward drift in cancer statistics, Dr Fields noted. Although we know the causes of some types of cancer, such as lung cancer and malignant melanoma, for many types of cancer the cause is still unknown.

More than 90,000 outpatient visits by people needing assessment or treatment were handled at the Cross Cancer Institute in 1993. In 1994, more than 3,000 new patients needed Institute services. About 1,400 people received inpatient care.

NEW HOME FOR NEW DEPARTMENT

Oncology, which was established as a department in 1993 within the Faculty of Medicine, is centred at the Cross Cancer Institute. "It brings into one academic home the many disciplines that contribute to cancer research and treatment," says Tony Fields,

who is Acting Chair as well as Institute Director. The department coordinates a wide range of research, from fundamental laboratory research to clinical investigative research, and involves scientists holding cross appointments with nine other University departments.

APEGGA holds annual excellence in education event

By Michael Robb

The Association of Professional Engineers, Geologists and Geophysicists of Alberta has announced the recipients of its annual awards and scholarships, many of whom attend the University of Alberta.

The Association annually spends \$75,000 to encourage students and teachers who excel in mathematics and science.

"With educational funding cutbacks, organizations like APEGGA are being asked to fill the gap left by government," says Association President Dave Devenny. "Increasingly, it is the private sector that will play a more pivotal role in encouraging students and supporting teachers."

"We must continue to impress upon our government the necessity to maintain high standards in our educational institutions so as not to dilute the quality of education future generations receive, and at the same time in a cost-effective manner."

APEGGA high school/university entrance scholarships to students who will attend the U of A were awarded to: Jeffrey Conely, Martin Lastiwka, Geordan Ma, Rachel Parker, Raymond Sung and David Watt. APEGGA transfer scholarships for students who will attend the U of A were awarded to: Robert Kaut, Jason Parks and Darren Dee. The APEGGA W.A.B. Saunders Scholarship (NAIT transfer scholarship) went to Jason Gosior and

the SAIT transfer scholarship award went to Rick Murray.

U of A students who received APEGGA gold medals included: Hoa Bach, Ronald Beaudoin, Brent Duckering, Mark Fokema, David Gammie, Ronald Graden, Corey Kasa, Kevin Oler, Kevin Robbie, Victor Petryshen, Jason Portas, Thomas Prokop and Karlton Rumpf. Nadya Slemko and Marko Mah received APEGGA undergraduate scholarships. Richard Stahl received the R.M. Hardy Graduate Scholarship.

Education scholarships to students attending the U of A were awarded to Buffy Lammie, Leanne Rivers and Stephanie Sheuer.

United Way campaign affected by economic uncertainty

By Judy Goldsand

The U of A's employee campaign for the United Way raised more than \$200,000 by 30 November, the end of the official campaign period. Additional contributions will still be very welcome, say co-chairs Glenn Harris, Vice-President (Finance and Administration), and John Barry (Physical Education and Recreation). Payroll deduction forms may be obtained from Gail Bamber (492-2796).

It has been a difficult campaign, both community wide and on campus, Harris says. U of A salary cutbacks and the general economic uncertainty have definitely been factors in the inability to meet the target of \$260,000 that the campus campaign committee set earlier in the year.

Barry says the timing of the campaign couldn't have been worse. Pledge cards arrived on people's desks at the same time as their paycheque containing a five per cent salary rollback.

At an official wind-up ceremony held in the Students' Union Building on 30 November, two contributors were surprised with an unexpected "return on investment". The campaign for the first time offered two cash prizes in a draw for which all campus donors were eligible.

Bruce Folliott (Computing Science) was the winner of the \$500 grand prize donated by Ed Tel, and Kathleen Carter (Libraries) won the \$300 prize donated by Logicon Data Systems. Both winners say they would have contributed to the campaign without the incentive of a monetary prize. Folliott added that even with his reduced paycheque he continues to donate charitable dollars through the United Way because he knows the money stays in the community.

The idea of cash prizes generated some controversy. When the United Way has such real needs to meet in alleviating hu-

man suffering, some people feel uneasy about dollars being given out as prizes to donors, even if the prize money was donated for that purpose and did not come out of contributions.

Sharon Wastle (Physical Plant), who has been a volunteer with the campus campaign for several years, says the committee gave considerable thought to ways to attract more donors, especially from nonacademic staff. Recognizing the payroll cutbacks that have taken place, it was thought that a cash gift might provide some incentive for new donors to participate in the campaign. But we will have to reevaluate the idea next year, she says.

Harris and Barry paid tribute to the 1994 campus campaign committee who "worked twice as hard as they did in previous years" to raise much-needed funds. They were a great group to work with, they said.

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Folio's mandate is to serve as a credible news source for internal audiences by communicating accurate and timely information about issues, programs, people and events.

DEADLINES:

Notice of coming events: 9 am three weeks in advance of event. Classified advertisements: 3 pm one week before desired publication date. This date also serves as the deadline for cancellation of advertisements. Advertisements cost 40 cents per word with no discount for subsequent insertions. There is a limit of 40 words and a minimum charge of \$2.00. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission.

Display advertisements: 3 pm Friday, seven days before desired publication date. Camera-ready artwork is required to size, complete with halftones if necessary. Call 492-0436 for sizes, rates and other particulars.

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University
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U of A team preparing proposal for Centres of Excellence competition

Competing for funding with two others in environment category

By Michael Robb

A federal selection committee has invited the University of Alberta to submit a detailed proposal for the establishment of a Sustainable Forest Management Networks of Centres of Excellence.

Fourteen other universities have been invited to submit comprehensive proposals in five program areas. The U of A proposal, led by Ellie Prepas, Director of the Environmental Research and Studies Centre, is competing for funding against two other proposals in the environment category: Laval University's proposed Network for Pollution Prevention and Waste Recycling and Memorial University's Environmental Applications Research Network for Operation in Extreme Environment. Only one of the three proposals will be funded.

The U of A proposal must be submitted by 13 January.

The 15 proposals were selected from 65 letters of intent. "These groups were deemed to respond best to the challenge of mobilizing a national research effort crossing traditional sectoral and disciplinary boundaries," says NCE Program Director Janet Walden.

In fact, the selection committee has emphasized that all groups submitting proposals for establishing new networks will have to involve stakeholders and prospective network partners from across the country. That could include private sector companies, key regulatory bodies, and interest groups such as professional associations, consumer groups and environmental or-

ganizations. "Groups are being encouraged to select the best possible teams from across the country to carry out the research," Walden says.

"The participation of the user sector will be essential to define and focus the research program from the outset, and will help to strengthen the commitment of these partners to ensuring that Canadians derive maximum economic and social benefits from the results of network research," she says.

The various university and corporate players from across the country involved in the U of A bid are hopeful they can develop a sustainable approach to forestry in the boreal forest. In the face of rapid developments in the forest, the researchers believe there is an urgent need for a coordinated approach to

solving problems associated with the management of the boreal forest.

Networks of Centres of Excellence are funded by the federal government's Medical Research Council, Industry Canada, Social Sciences and Humanities Research Council and Natural Sciences and Engineering Research Council. In March of this year, the government cut funding for several Networks and renewed funding for 10 others.

The government has now designated \$48 million over several years to support five new Networks in these areas: advanced technologies; environment; health research; technology-based learning; and, trade, competitiveness and sustainability. One of the existing 10 Networks, the Protein Engineering Network of Centres of Excellence, is based at the U of A.

McDonald leaves vice-presidency with clear sense of accomplishment

By Ron Thomas

"He has steered this institution through some very turbulent waters, and I am particularly grateful to him for serving as Acting President these past several months."

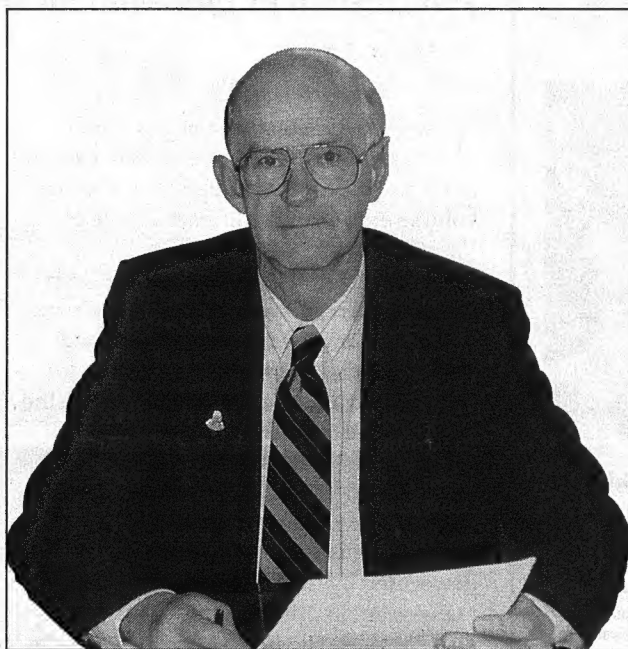
So says incoming President Rod Fraser of John McDonald, Vice-President (Academic) since September 1991 and Acting President since 1 July of this year. Other senior administrators, faculty, staff and students won't always be in agreement with Dr Fraser but it's a safe bet that they are this time. They may even be thinking 'More power to him [Dr McDonald]' in view of the fact that Dr McDonald came here as a physics teacher and researcher and had absolutely no intention of becoming an administrator.

Dr McDonald leaves University Hall at the end of this month and he'll be attending to administrative details right up to that last glance at the office and the third floor. "The issues don't go away. There's no hiatus, no backing away from critical action." Specifically, Dr McDonald is continuing to assess the "various changes in government support that are coming at us," that is, the strategies proposed in the provincial white paper *New Directions for Adult Learning in Alberta* and in the federal green paper *Agenda: Jobs and Growth, Improving Social Security in Canada*. Of the latter, he's proud of the fact that the U of A was the first Canadian university to appear by invitation before the federal Standing Committee on Human Resources Development.

"We worked very hard to make sure we spoke with a common voice," he says of the recent presentation by Ann McDougall, President of the Academic Staff Association; Kimberley Krushell, President of the Graduate Students' Association; Suzanne Scott, President of the Students' Union; and Bill Bridger, Associate Vice-President (Research).

Krushell, Scott and Dr McDonald were in Ottawa last weekend to continue the discussion with government officials. The key message they conveyed was that while the University understands and agrees with the federal and provincial governments that deficits have to be cut and that huge debts should not be passed on to future generations, it is equally important that we do pass on (and Dr McDonald earlier impressed this upon Finance Minister Paul Martin) educational opportunity and research potential so that future generations can compete with every confidence on an international level.

Dr McDonald is also working to establish a relationship with the Regional Health



John McDonald, who is soon to leave University Hall for the Physics Building, says, "I've always liked students and teaching and I'm looking forward to getting back to that."

Authority and to ensure a smooth transition for Dr Fraser, who takes office 1 January.

Asked what's been lost and what's been gained during the past three years, Dr McDonald says it's too early to say what's been lost, just as it's too early to say what's been gained that will be lasting. What's certain, he says, is that we can't regain the previous levels of funding. He also says he finds it very encouraging that more people are being positive and coming up with new ways of doing things.

The University has turned some important corners, he believes, starting with the development of a strategic plan and the acquisition of "some good ideas as to how we can get there." He says he's particularly grateful for Department Chairs' support of the strong decisions that the University has had to make. "To say that we can't be all things to all people but that we will be very strong in certain areas was a critical step. I think we got it right, and I think it's going to help us in the future."

When he was appointed Vice-President (Academic), Dr McDonald placed great importance on having the University serve its many students as well as it possibly could. He's pleased with the progress that's been made, citing Week of Welcome's effectiveness at putting new students at ease and the first-year experience programs that a

number of Faculties are developing. He also says that the annual survey of graduands, begun in 1992, has been very helpful in identifying areas where the University can improve its service to students, and that General Faculties Council's decision to install universal student evaluation of courses was a good move.

"I see these changes as being very positive in terms of indicating that this University cares about its students."

If he were a new student he says he would be struck by the fact that the University of Alberta is "very rich in terms of what it can give students in and out of the classroom [top programs, student associations, teachers with local, national and international teaching awards]." The downside, if it could be called that, is 'how

will I manage to get at all that's here. How can I best pick and choose?' "I would be after that personal contact to get me off on the right track. I would need some help in figuring out the roadmap."

As he contemplates (in those few spare moments) returning to the Physics Department as a teacher and researcher, Dr McDonald says, "It's been a real privilege to have had the opportunity to see how many really strong areas there are in this University and how many truly outstanding individuals there are."

"Like most people, I only knew about my own area before [his career change]. I wish others could experience, as I have done, how strong and vibrant we are. How would one do that? Go to the next Super Saturday and hear some of your colleagues. They really are amazing. Or take a tour of less familiar areas of campus. You won't be sorry."

Dr McDonald will spend the rest of the winter and spring and early summer in the Physics Department. He will be on leave starting in July, a time that will be marked by increased collaboration with colleagues at the Cern Accelerator Facility in Geneva.

Affolder Continued from page 1

In 1991-92, after her first year in history, she went to France to study history at Université de Bourgogne. Then she applied to law school.

"Academically, I didn't see law school as an end in itself," she says. By then, Affolder had begun to realize that people she was reading about in her history texts who had led movements for social change usually had legal education backgrounds.

Now she wants to earn a BCL at Oxford, and study international environmental law. "This is going to be one of the biggest global issues. There are such enormous problems. We know massive things are happening to the planet. Climate change is going on at a level that will threaten life in the next century, but the scariest thing is we really don't know what the impact is going to be."

Reflecting on her educational experiences, Affolder says the U of A has many opportunities for students to get involved in global issues. She says the smaller classes in law have allowed her to explore the subject at a philosophical and intellectual level. "The law is deeply entrenched in different philosophies about social justice, ideas about retribution, punishment and humanity. It's too easy to say,

'that's the law,' and divorce our emotions from it, so I think the classes that have allowed some emotional approach to law have been good."

"I don't like the inflexibility," she says about law school. "There's a large number of required courses, and a certain approach to doing law. And I find there's a narrowness to it all that's quite frustrating. We're encouraged to fit a mould. I don't think there's anything within the curriculum or the way law is taught that urges people to look at the reality of the law and to ask the bigger question: Why is the law like this?"

She acknowledges it would be easy simply to practise law and make substantial amounts of money. "When you get used to having a full life (please see sidebar story, page 1, for details) and doing a lot of things outside school, there's no way to go back." The world of law will likely only be a part of her life.

"You have to recognize that there's a lot of destructive things going on in the world, and a lot of things you want to be intensely critical about, but ultimately you have to say, 'I can do something about it.' I think that's a lot of what being a Rhodes Scholar is about—not getting defeated by small criticisms or problems that look so big from the outset."

University about to ring in new smoking policy

By Folio staff

A smoke-free learning and working environment.

That's what an ad hoc committee convened by the Office of the Vice-President (Finance and Administration) is working towards.

The U of A smoking policy, approved by the Board of Governors in 1988, was recently revised by the committee following consultation with staff and students and other universities. The revised policy, approved by the Board last month, takes effect 1 January 1995. The major change is that

nine areas currently designated as smoking areas will become nonsmoking areas. They are: General Services Building (second floor), CAB (lower level), 4083 Dentistry/Pharmacy Building, 129 Law Centre, CW-422 Biological Sciences Building, Faculté Saint-Jean, Humanities Centre (second floor), 109 Assiniboia Hall and Arts Building (second floor).

The appropriate signage will be installed during the Christmas break.

The policy states: "All space within buildings under the control of the University (including laboratories, classrooms,

private office spaces, common areas, and space leased by the University for occupancy by University units) are non-smoking areas."

Exceptions to the rule are:

- Residences - Policies affecting smoking in residence will be determined by the relevant student community association, in consultation with the housing authority.
- Commercial properties (HUB Mall, University Extension Centre, etc) - Policies affecting smoking in commercial properties, defined as space leased to private enterprises, will be determined by the University's leasing agency.
- North Power Plant - Smoking policies for those areas controlled by the Graduate Students' Association will be determined by the GSA.

- Students' Union Building - Policies affecting smoking in the space in SUB under the control of the Students' Union will be determined by the SU.
- Lister Hall Complex - Smoking will only be permitted in "The Ship" and the Banquet Room, subject to compliance with the policy for containment and separate ventilation.

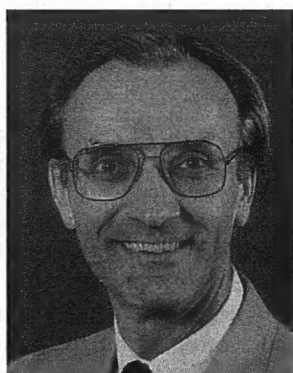
The policy further states: "As members of a collegial environment, students, faculty, and staff of the University are expected to cooperate with, and be accountable to the community to ensure compliance with the Board's policy on smoking. Where compliance with the policy is not achieved voluntarily, the University reserves the right, upon complaint to Campus Security Services, to take disciplinary action."

University of Alberta

BOARD OF GOVERNORS

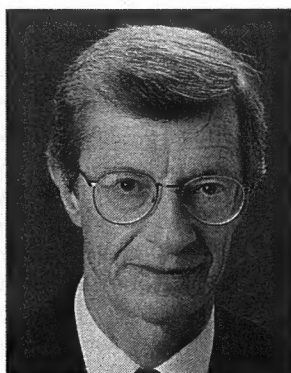
APPOINTMENTS

University of Alberta



Gary Faulkner

Gary Faulkner serves as the General Faculties Council representative for a three year term. A native Albertan and alumnus, Dr Faulkner joined the University's Mechanical Engineering Department in 1969 and was department chair from 1984-90. He continues to teach freshman and graduate level courses and has been a three-time recipient of the Undergraduate Teaching Award in Mechanical Engineering. In addition to his academic responsibilities, Dr Faulkner has been a consultant to various industrial, governmental and legal groups on aspects of noise control and failure analysis of mechanical systems.



Louis D Hyndman

As Chancellor of the University, Louis D Hyndman sits as an ex officio Board member. A graduate of the University (BA, LLB) and an Officer of the Order of Canada, Mr Hyndman was an MLA from 1967-86 serving in several senior administrative portfolios. A partner at Field and Field Perraton, he sits on numerous boards including the CD Howe Institute, Asia Pacific Foundation, and the Royal Alexandra Hospital Foundation. Mr Hyndman also chaired the Royal Commission on Canadian Passenger Transportation System in the 21st Century as well as the Premier's Commission on Health.



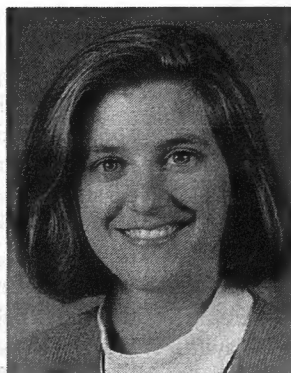
Kimberley Krushell

Kimberley Krushell is President of the Graduate Students' Association and as such sits on the Board for one year. A student in the masters of Library and Information Studies program, Mrs Krushell received her undergraduate degrees in political science and history from Southern Oregon State College. She was also an exchange student at Yonsei University in Seoul, Korea. Her extracurricular activities include serving as board secretary and big sister for the Mackenzie, BC, Big Brothers and Sisters, and as a board member of the Mackenzie and District Museum.



Betty-Anne Pearson

A Senate member, Betty-Anne Pearson is the Senate representative appointed for three years. Mrs Pearson has been a Second Language instructor since 1975 and has taught English to new Canadians in Yellowknife, Calgary and Edmonton. Her community involvement is extensive and includes acting as a past co-chair of the Salvation Army Residential Campaign, past president of the Grandview Heights Community League, a steering committee member for the Edmonton Concert Hall, and also serving as a volunteer for Alex Taylor School and the Edmonton Symphony Orchestra.



Suzanne Scott

As President of the Students' Union, Suzanne Scott serves a one year Board term. Enrolled in the Faculty of Business since 1990, Ms Scott was also a member of the Students' Union executive in 1993-94 as vice-president, finance and administration. Her University activities are extensive: she has volunteered for numerous Students' Union boards and services and with the Office of Services for Students with Disabilities. Ms Scott's academic record is equally impressive; she was a recipient of a Lougheed Scholarship in 1993.



Paul Wacko

Appointed a public member, Paul Wacko serves a three year term. Mr Wacko is no stranger to the Board having served as an "external" member of its finance committee. Mr Wacko, President of Inland Cement, is a highly respected businessman. He has served and continues to serve on many boards and associations including the Alberta Economic Development Authority, the Health Workforce Rebalancing Committee, and Economic Development Edmonton; is a returning member to the Sectoral Advisory Group on International Trade (SAGIT); and has been active in fundraising projects for universities and other worthy causes.

Canadian Institute of Ukrainian Studies supporting publication of Stus's work

Preparation of four-volume edition under way

By Halyna Klid

The Canadian Institute of Ukrainian Studies (CIUS) has contributed a second grant to support the preparation of a four-volume edition of the literary legacy of Vasyl Stus.

An initial grant awarded in 1992 supported the preparation of the first volume in two books, now in press. The second grant awarded in 1994 will support additional archival work needed to prepare the next volume for publication.

Stus was one of modern Ukraine's most talented and best known poets, and was also known for his uncompromising defence of human and national rights. He was persecuted by the Soviet regime, spending many years in prisons, labour camps and internal exile. He died in 1985 in a concentration camp.

The second volume will contain critical reviews. The third volume will contain the collection *Palimpsest* and his major translations. The fourth volume will contain his correspondence. The press of the Prosvita Society in Lviv will publish the volumes.

Due to the economic uncertainty in Ukraine, CIUS has decided to establish a special Ukraine Publication Fund. Money from the fund will be used to support the completion of the project. CIUS appeals to all those concerned with preserving the legacy of Stus to send donations payable to the Canadian Institute of Ukrainian Studies to: Ukraine Publication Fund, CIUS, 352 Athabasca Hall, University of Alberta, Edmonton, T6G 2E8. Donations are tax deductible in the USA and Canada.

Christmas closure: facilities update

An article in a recent *Folio* stated that University of Alberta facilities would be closed from 4:30 pm, Friday, 23 December, until 8:30 am, Tuesday, 3 January.

The article went on to state "if a unit is going to remain open, it must contact Physical Plant ..." and that arrangements must be in place by 1 December. The following facilities are scheduled to be open:

- Clinical Sciences Building (University of Alberta Hospitals operation only;
- University Extension Centre (the commercial units on the first floor and the upper levels);
- HUB Mall (some of the commercial outlets will be open)
- University Health Services (open Thursday, 29 December, and Friday, 30 December);
- Clare Drake Arena (hockey tournaments are scheduled);
- Athabasca Hall (open on the 29th and 30th).

The balance of the University's facilities will remain closed. University staff and students who have keys may still enter the building to work. Building systems will be operated on reduced energy levels; heating systems will remain operational and power for lights and equipment will be available. However, no cleaning staff will be on duty.

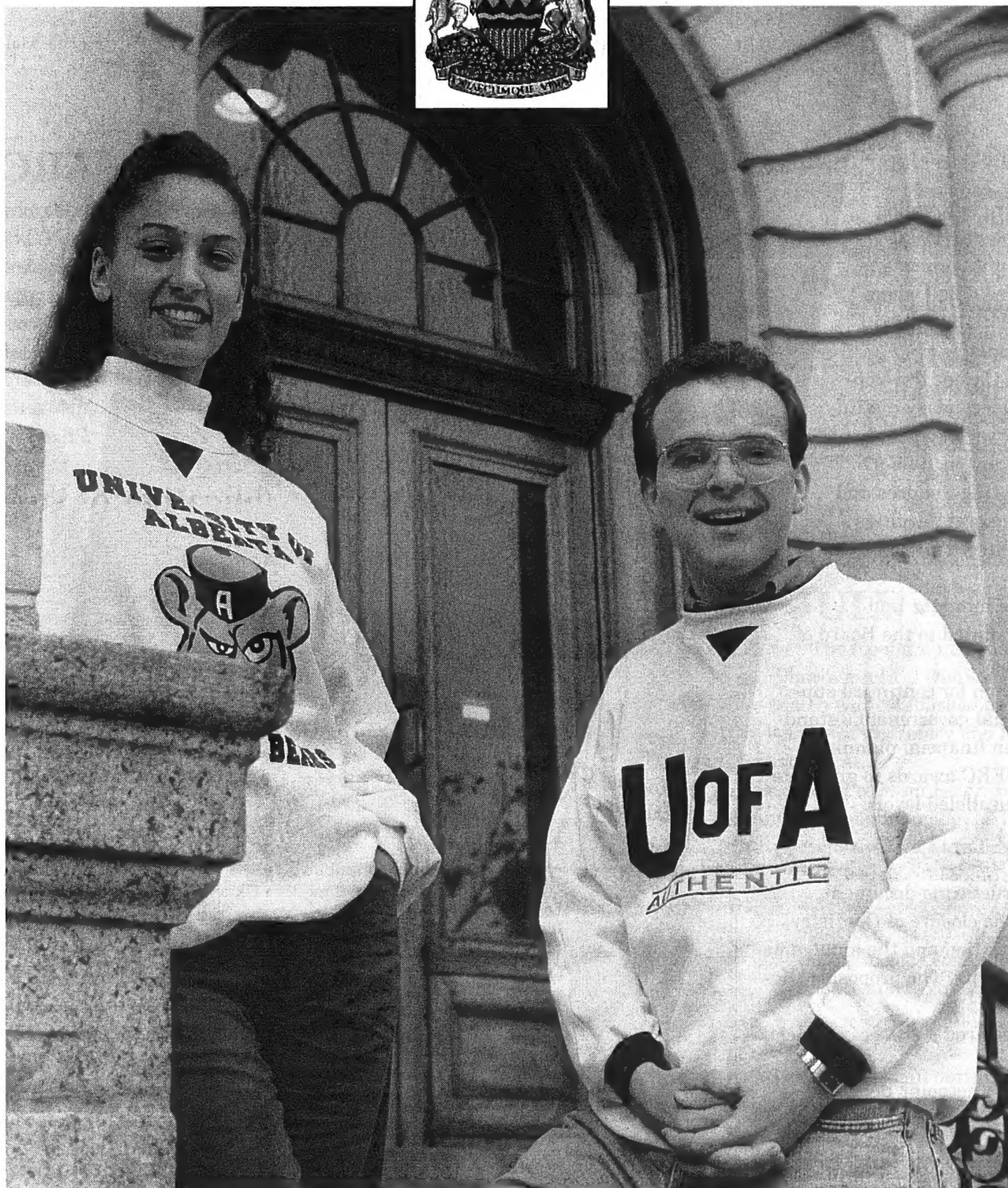
Physical Plant and Campus Security Services will maintain their 24-hour Control Centres to respond to emergencies. Physical Plant will continue to monitor facilities for emergencies, equipment failure, water leaks, etc, and to ensure that campus access is maintained.

Building occupants are reminded that all operable exterior windows should be firmly closed. Upon leaving, all lights and equipment not in use should be turned off. Since there will be limited cleaning service (and, likely, a few staff functions) on 23 December, Physical Plant officials ask that occupants do not leave food waste in private spaces; such waste should be taken to a general collection area such as the washroom or a general office. Physical Plant can then ensure that the waste is properly disposed.

Physical Plant will be servicing plants in the public areas during the break and suggests that staff make provisions for plants in the private areas.

Researchers whose equipment is monitored by Physical Plant are reminded that their call back lists should have the most current information and that they have forwarded all changes to Physical Plant's Control Centre.

If you have questions or concerns about facilities and the holiday schedule, call 492-4210.



▲ Rhodes Scholars Jasmine El-Nahhas and Randy Boissonnault

The year in review

By Michael Robb

It's understandable, when you reflect on what kind of year 1994 has been in the history of the University of Alberta, that you immediately think of Charles Dickens's words: "It was the best of times, it was the worst of times." No one sentence more succinctly encapsulates the year in the life of the University of Alberta. On the one hand, the provincial government's budget cuts to the

University hurt badly, and academics warned of an impending brain drain. On the other hand, researchers continued to earn a greater share of the money available for research, and students, too, demonstrated in competitions and for national scholarships, that they were deservedly among the best in the country. What follows is a survey of the highs and lows of 1994—a year in the life of the U of A.



JANUARY

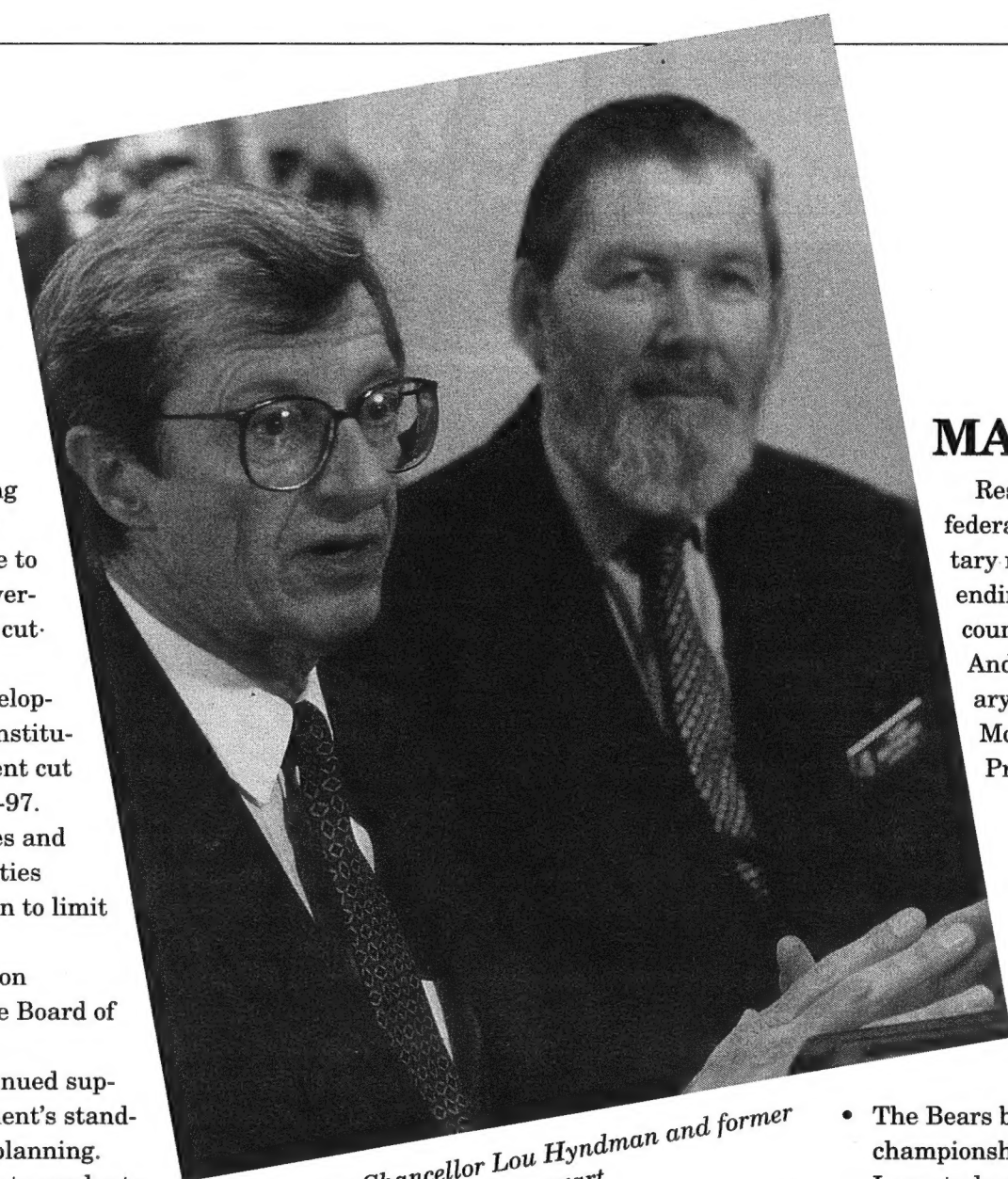
Public institutions were left reeling early in the year when the provincial government made good on its promise to scale back its expenditures. The University of Alberta grant for 1994-95 was cut by 11 percent, and the Minister of Advanced Education and Career Development, Jack Ady, told postsecondary institutions to brace for another seven percent cut in 1995-96 and three percent in 1996-97.

- In the face of deteriorating finances and growing class sizes, General Faculties Council narrowly defeated a motion to limit student enrollment.
- Former federal finance minister Don Mazankowski was appointed to the Board of Governors.
- The U of A made its pitch for continued support before the provincial government's standing policy committee on financial planning.
- MRC, SSHRC and NSERC awards to graduate students reached unparalleled levels.

FEBRUARY

The University's restructuring document, *Quality First*, called for the closure of Dentistry, major budget cuts to Education and the amalgamation of numerous departments. The proposals triggered intense debate.

- GFC and the Board declared a state of financial exigency.
- The Library opened its Eastpoint Book and Record depository, solving the overcrowding problems in campus libraries.
- The CW Carry family endowed a chair in steel structures.
- Private supporters stepped in to save the Bears' football team.
- Geneticists received a whopping \$644,000 from the Canadian Genome Analysis and Technology Program.



▲ Incoming Chancellor Lou Hyndman and former Chancellor Sandy Mactaggart



▲ New Board Chair John Ferguson

Dean of Arts Pat Clements ▶

◀ English Professor Juliet McMaster

MARCH

Researchers on campus welcomed the federal Liberals' first budget as a momentary reprieve from the seemingly never-ending cuts. The three major granting councils received modest budget increases. And one of Canada's most important literary scholars, English Professor Juliet McMaster, was awarded the Molson Prize from the Canada Council.

- The Alumni Association unveiled the Alumni Wall of Recognition.
- The Presidential Search Committee held public meetings to ask people what qualities the next U of A president should possess.
- Former provincial treasurer Lou Hyndman was named Chancellor.
- The Bears basketball team won the national championship.
- Law students triumphed at client counselling competitions.
- Richard Haskayne, Chair of NOVA Corporation of Alberta, was honoured with the 1994 Canadian Business Leader Award from the Faculty of Business.

APRIL

John Ferguson, president of Princeton Developments Ltd, was named Board of Governors Chair. Many people on and off campus welcomed the announcement, and expressed optimism that the new chair would usher in a more open style of governing.

- Albert Cook took over as the Dean of Rehabilitation Medicine.
- The Faculty of Science held an industry-university forum to help break down traditional barriers.
- Dean of Arts Pat Clements was named a new SSHRC council member.
- A Senate task force warned against charging international students full-cost tuition fees.





MAY

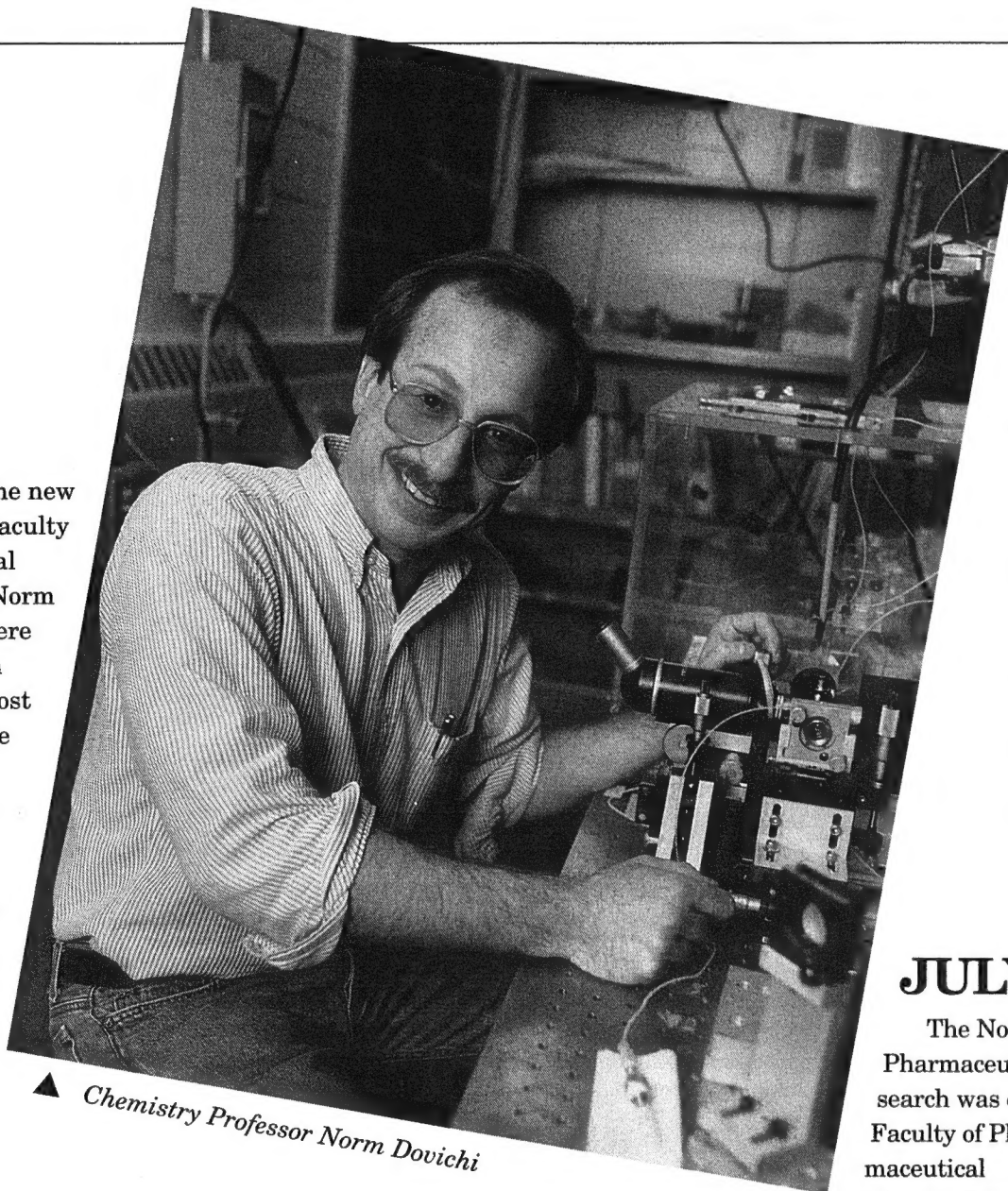
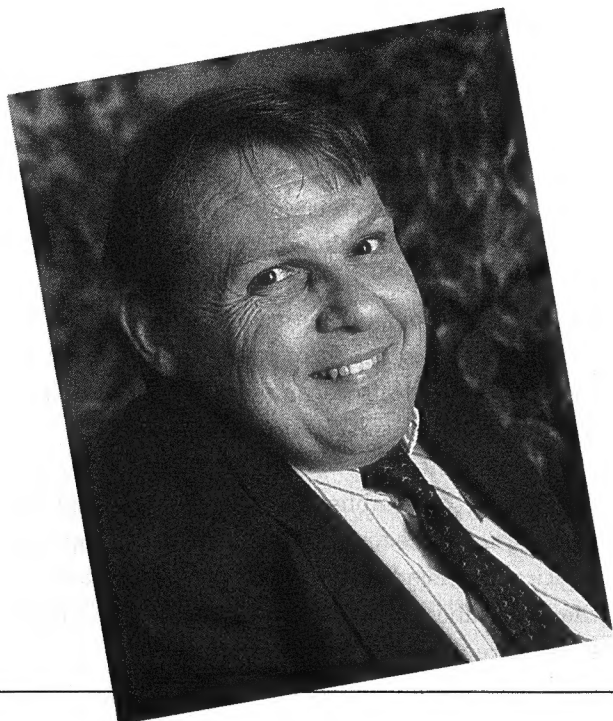
A 38 percent acceptance rate in the new grant MRC competition placed the Faculty of Medicine well ahead of the national average of 25 percent. And chemist Norm Dovichi and a team of researchers were awarded \$200,000 from an American agency to play a part in one of the most exciting scientific shows on earth, the mapping of the human genome.

- The University Press was named Alberta Publisher of the Year.
- Political scientists travelled to South Africa to witness one of the decade's most momentous political events, the election of a non-racial government.
- The campus said goodbye to the U of A's 10th president, Paul Davenport, who assumed Western Ontario's top job.
- GFC voted to close Dentistry.

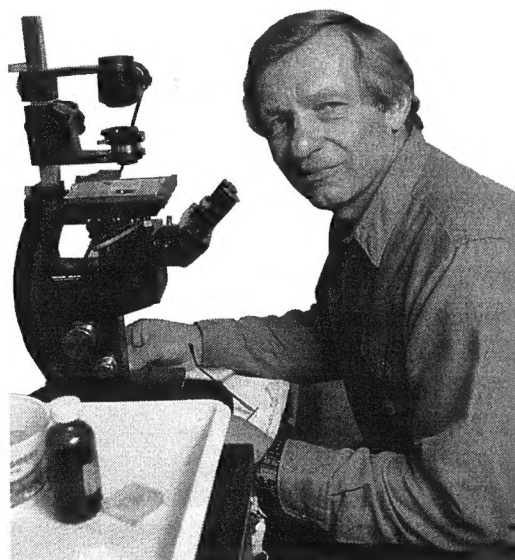
JUNE

The first graduates of the Indigenous Law Program attended spring convocation ceremonies, promising that they would be only the first of many aboriginal law students to take their places in the profession. Two other graduating students, Randy Boissonnault and Jasmine El-Nahhas—Rhodes Scholarships in hand—readied themselves to study at Oxford. And as the campus prepared to celebrate Canada Day, Rod Fraser, a vice-principal at Queen's University, was introduced as our 11th president. The selection committee informed the campus that the new president would assume his duties 1 January 1995.

- Scientist David Schindler was awarded the first Royal Society of Canada's Miroslaw Romanowski Medal, recognizing outstanding contributions in the environmental sciences.



▲ Chemistry Professor Norm Dovichi



▲ Biological Sciences Professor David Schindler

SSHRC President Lynn Penrod ►

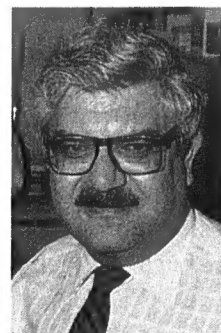
◀ Rehabilitation Medicine Professor Jim Vargo

- Rehab's Jim Vargo was named Canadian Professor of the Year by the Council for the Advancement and Support of Education.
- Lynn Penrod, Associate Vice-President (Academic), was appointed president of SSHRC.
- Discover E science/engineering camps doubled their enrollment.
- The University unveiled its new coat of arms.
- The University declared it would be able to attract \$1 billion in research money in the century's last decade.

JULY

The Noujaim Institute for Pharmaceutical Oncology Research was established by the Faculty of Pharmacy and Pharmaceutical Sciences. Professor Emeritus Antoine Noujaim made the Institute possible with a \$1 million gift.

- The Secretary of State for Science, Research and Development, Jon Gerrard, came calling to ask U of A researchers what his new science and technology review should do.



Antoine Noujaim

AUGUST

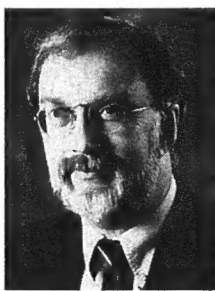
Dr Fraser began outlining his views on the future of the University. "Faculties and departments are the ones that must have a large responsibility and ability to organize themselves to meet the challenges in their particular disciplinary areas," he told *Folio*.

- The Board established a task force to develop a proposal for restructuring and reorganizing dental studies.





SEPTEMBER



John Hoddinott

Biological Sciences Professor John Hoddinott became the U of A's 12th member to receive a prestigious 3M Teaching Fellowship. Only one other Canadian university has more 3Ms. Students received good news from the

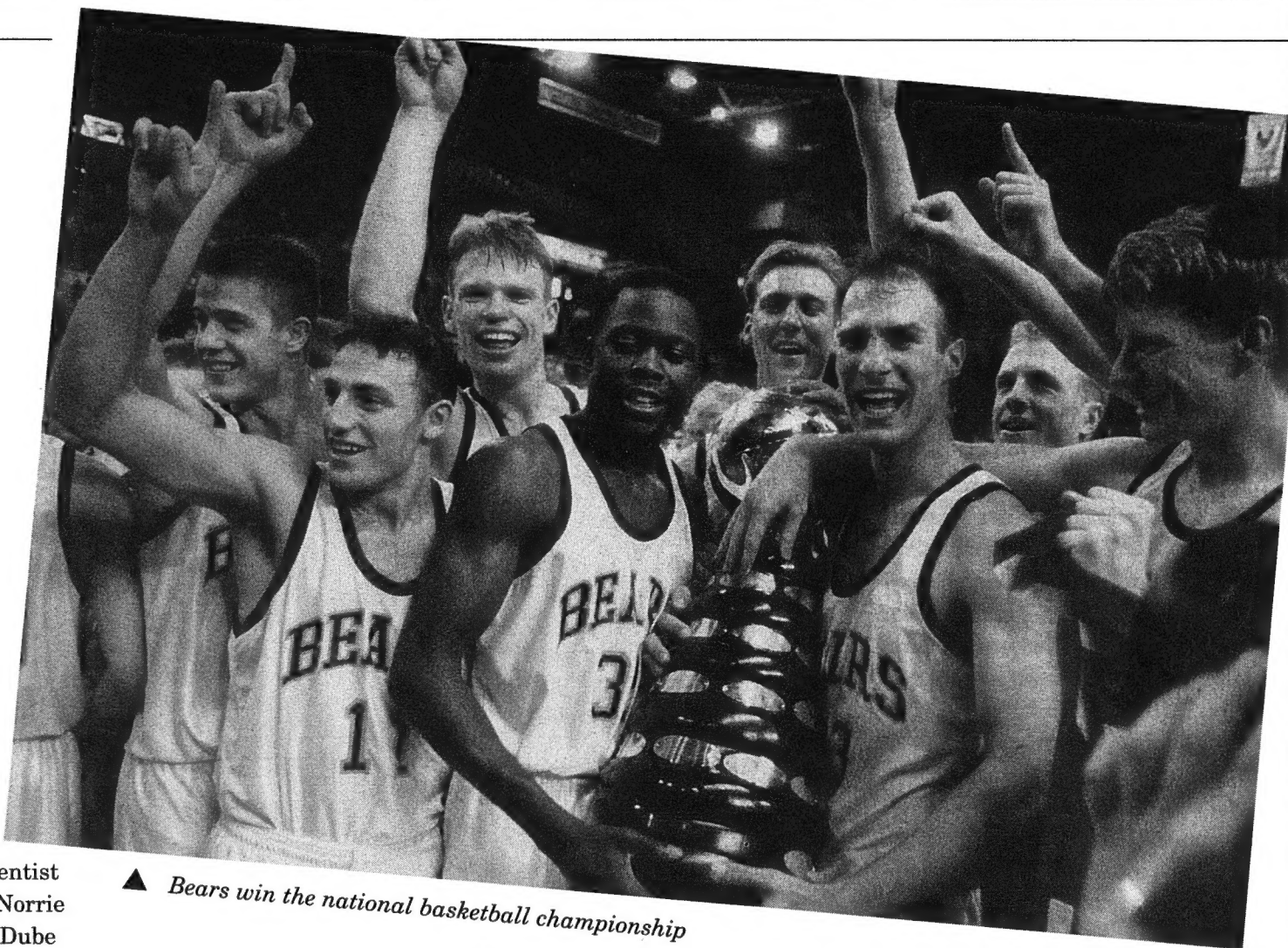
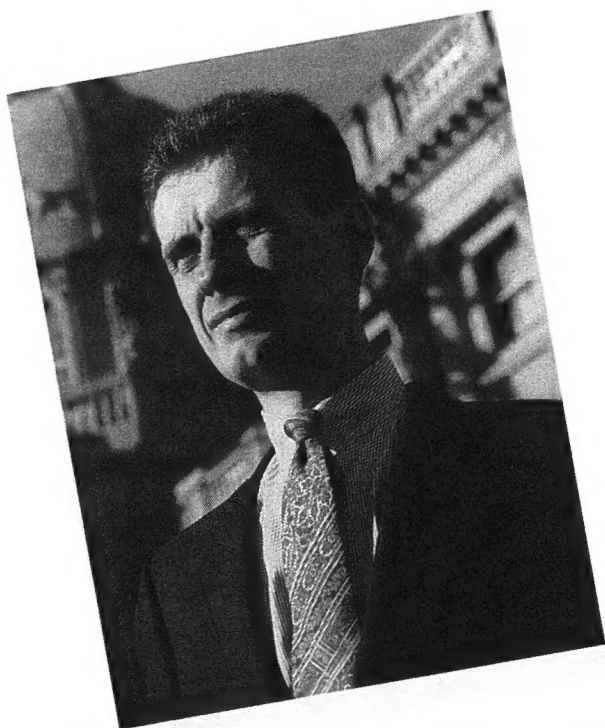
Federal Government: Canada student loan limits were raised from \$105 a week to \$165.

- Dean of Law Tim Christian, Political Scientist Allan Tupper, Economics Professor Ken Norrie and Romance Languages Professor Paul Dube were appointed to an advisory group to the Premier. They'll give Ralph Klein advice on the Quebec situation.
- The Board and AAS:UA and NASA reached salary settlements; wages were cut by about five percent.
- Lorne Tyrrell was named Dean of Medicine.
- GFC endorsed a number of new, innovative Science degree programs.
- Responding to emerging opportunities in environmental sciences, more than 400 students enrolled in Ag/For/HEC's new degree program in Environmental and Conservation Science.

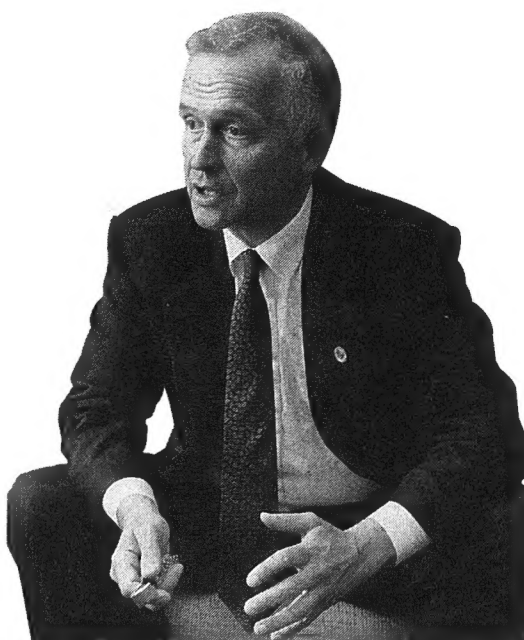
OCTOBER

The University opened a number of high-tech classrooms, compatible with hundreds of other sites around the world. Room 231 in the Civil Engineering Building, for example, was equipped with the latest in audio and video equipment. Links with the University of Calgary were strengthened.

- The new Timms Centre for the Arts took shape and neared completion.



▲ Bears win the national basketball championship



▲ President-elect Rod Fraser

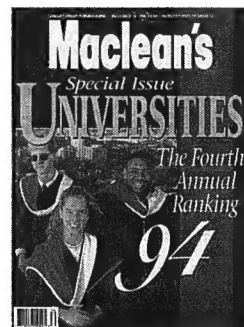
◀ Political Science Professor Allan Tupper

- Vice-President (Academic) John McDonald announced he'd be stepping down and returning to the world of research.
- The federal government proposed new ways of funding postsecondary education.
- The creation of the computer-based Health Knowledge Network gave physicians and researchers another on-ramp to the information superhighway.
- The provincial government asked Boards of Governors to renegotiate collective agreements to make it easier to lay off academic staff. The government, in its policy paper, announced it would continue to regulate tuition.

NOVEMBER

What a month for research! The Protein Engineering Network of Centres of Excellence moved its administrative centre from UBC to the U of A. SSHRC awarded a \$1.5 million grant over five years to a research team in Arts to produce *An Integrated History of Women's Writing in the British Isles*. And after an exhaustive review of its research strengths, the University identified 15 areas of research excellence and seven areas of emerging research excellence.

- The U of A moved up in the ranks of the popular, annual *Maclean's* issue on universities. The U of A was ranked sixth in the medical-doctoral category.
- The U of A addressed the federal government's standing committee on human resources development, arguing that the federal government had to continue to support research.
- The Governor General's Award went to Rudy Wiebe, Professor Emeritus of English, for his novel *A Discovery of Strangers*.



DECEMBER

GFC declared a state of financial exigency, thus making it possible for the University to lay off administrative professional officers.

- Several groups coordinated events to commemorate the killing of 14 female engineering students at a university campus in Montreal, 6 December 1989.
- A dental studies task force presented its report to the Board of Governors, and the Board delayed any decision on the future of the Faculty.
- The U of A continued working on a proposal to seek funding for the establishment of a Network of Centres of Excellence for sustainable forest management.
- Political Science Professor Peter Meekison received the 1994 Alberta Lieutenant Governor's Award for Excellence in Public Administration.

1993-94 a banner year for McCalla Professors

By Folio staff

Tapan Basu's research centres on diabetes mellitus, which is, he says, "an increasingly prevalent, serious and relatively new disease among the North American aboriginal population."

The presence of diabetes appears to adversely affect the metabolism of vitamin A and zinc, notes Dr Basu (Agricultural, Food and Nutritional Science). (Vitamin A functions in vision, and zinc is required for protein synthesis, the action of insulin, immune reactions, and the utilization of vitamin A.)

Dr Basu's ongoing study (it's currently halfway along) seeks to determine the nutritional status, with particular reference to vitamin A and zinc, of 180 Plains Cree adults in Hobema, with and without diabetes mellitus.

He believes that the knowledge obtained (complete results will be available in six months) will increase understanding of the metabolic mechanisms underlying diabetes, and may help lead to better approaches to prevention and control of the disease.

Dr Basu reports that his 21-chapter reference text on vitamins in health and disease, the first text of its kind, is nearly complete.

Ronald Cavell (Chemistry) continued the development of new phosphorus compounds (which form complexes with metals) and embarked, during the professorship, on the development of a new series of these ligands. Certain complexes made from ligands developed previously in his laboratory have yielded highly active catalytic systems for which patents have recently been granted. It is hoped that these new structures will advance the development of catalytic systems, a currently important and active area of chemistry.

The McCalla Professorship also allowed Dr Cavell to expand activity at the Canadian Synchrotron Radiation Facility (located on the Aladdin Synchrotron in Madison, Wisconsin) where he studies high resolution photoelectron, photoabsorption and photoexcitation processes in phosphorus and sulfur compounds. He says "this is an exciting and rapidly developing field of study which gives new insight into the nature of electronic structure and bonding of molecules." The professorship also provided time for him to develop a new program analyzing the electronic and physical structure of vanadium and titanium centres in non-crystalline materials and minerals at the Stanford Synchrotron center. These activities must be done off-campus and require travel to the source.

A very rewarding 1993-94 McCalla Professorship exceeded **Douglas Ivey's** expectations. Nine refereed contributions, including a review solicited by *Canadian Metallurgical Quarterly*, and seven presentations, are evidence of this success.

Dr Ivey (Mining, Metallurgical and Petroleum Engineering) was able to expand his materials characterization capability to include high resolution scanning tunnelling microscopy (STM) and atomic force microscopy (AFM). These techniques, coupled with other high resolution characterization techniques, such as transmission and scanning electron microscopy and x-ray diffraction, provide structural information on a very fine scale—atomic resolution in some cases. Understanding the structures

and properties of materials is the first step in adapting them for new applications.

During his McCalla year, Professor Ivey was able to continue his work on characterizing the structures of materials used in microelectronic applications, such as ohmic contact metallizations and metal silicides. His collaboration with Bell Northern Research (BNR) in Ottawa on some of this work has resulted in several new ohmic contacts that are currently or will soon be used in BNR devices.

He also worked on characterizing cement-based materials used for the safe containment of heavy metal wastes in cement-based materials. This is an ongoing collaborative project with CANMET researchers in Devon.

In the Department of Computing Science, **Tamer Özsu's** research focuses on object-oriented database systems and emphasizes two directions: development of the technology itself, and testing the technology to see if it can meet the specified requirements. He and his research group are developing an object-oriented database system called TIGUKAT (which means "objects" in Inuit). TIGUKAT is unique in its purely behavioural semantics and a uniform approach to objects. Behaviourality makes the system much easier to use and uniformity makes for a very extensible system.

"These systems," Dr Özsu explains, "are supposed to be more appropriate than the currently available alternatives for computer storage of complex real life entities such as electronic parts, DNA sequences, or video and image objects in multimedia information systems. But there are not enough applications to test the expectations." So, his group is developing a multimedia news-on-demand application using object-oriented database technology. This work, conducted as part of a National Networks of Centres of Excellence project, will tell them where the technology meets the application requirements and where it falls short.

Humankind has marvelled at the sight of the Aurora Borealis for millennia, but remains in the dark as to why the electrons accelerate to spiral down the field lines, an action that causes that familiar glow in the skies.

"The problem of the aurora is one of the most important unsolved problems of space physics and plasma physics," says Physics Professor **John Samson**.

Dr Samson, a member of the Space Physics Group at the U of A, says the group "is in a unique position to tackle and possibly solve the puzzle of the aurora." The group has finished studies of computer models of field line resonances and compared their results with measurements from SUPERDARN (super dual auroral radar network) and the FREJA (Swedish term for the Goddess of Dawn) satellite.

"We are," Dr Samson says, "one of the few groups in the world who are looking at the possibility that these plasma waves and field line resonances produce aurora."

"The year has been very exciting indeed."

How big is the sports industry in North America? **Trevor Slack** (Physical Education and Sport Studies) and others in the know reckon that it pours some \$70 billion into the economy each year, a figure that makes

Public Administration award to Meekison

By Folio staff

The Edmonton and Calgary Regional Groups of the Institute of Public Administration of Canada (IPAC) has presented the 1994 Alberta Lieutenant Governor's Award for Excellence in Public Administration to Political Science Professor Peter Meekison.

"I am honoured to be chosen," said Dr Meekison.

Alberta's Lieutenant Governor, the Honourable Gordon Towers, presented the award on 13 December at the Faculty Club.

Dr Meekison was Vice-President (Academic) from 1984 to 1991 during the presidencies of Myer Horowitz, himself a previous Alberta Lieutenant Governor Award recipient, and of Paul Davenport. Dr Meekison joined our University in 1967. From 1974 to 1984, he worked in the Alberta government's Department of Federal and Intergovernmental Affairs, serving as Assistant Deputy Minister before becoming Deputy Minister for seven and one-half years.

Dr Meekison is highly respected in

Canada's academic community for his insightful analyses of the Canadian federal system, constitutional policies and aboriginal issues. Frequently invited to participate in public policy and constitutional forums, he is now serving as Commissioner to the Royal Commission on Aboriginal Peoples.

He has contributed to numerous books and periodicals and is regarded as an inspiring teacher who develops an excellent rapport with his students.

IPAC is a private, nonprofit organization whose main goal is to enhance the quality of public administration in Canada. It achieves this through research, by enlarging the body of literature about Canadian public administration and by keeping its members up to date on the latest developments and innovations in public policy and management. IPAC's more than 4,000 members come from all levels of government and include teachers, administrators and postsecondary students. IPAC is the Canadian section of the International Institute of Administrative Sciences (IIAS).

1994-95 McCALLA PROFESSORSHIPS

Faculty	Department	McCalla Professor
Agriculture, Forestry, and Home Economics	Rural Economy	Dr LP Apedaile (Pete)
Arts	History	Dr JP Himka (John-Paul)
	Sociology	Dr G Laxer (Gordon)
	Sociology	Dr D Sayer (Derek)
	Romance Languages	Dr R Young (Richard)
Business	Finance & Management Science	Dr E Erkut (Erhan)
Education	Educational Psychology	Dr R Jevne (Ronna)
Engineering	Electrical Engineering	Dr R Fedosejevs (Robert)
Medicine	Biochemistry	Dr B Sykes (Brian)
Science	Geology	Dr SG Pemberton (George)
	Mathematical Sciences	Dr RJ Elliott (Robert)
	Physics	Dr W Rozmus (Wojciech)
<i>Small Faculties</i>		
Law	n/a	Prof G Robertson (Gerald)
Pharmacy and Pharmaceutical Sciences	n/a	Dr F Jamali (Fakhreddin)
Rehabilitation Medicine	Occupational Therapy	Dr Y Bhambhani (Yagesh)

sports a greater money maker than the petroleum industry and the motor vehicles industry.

As there wasn't a significant text on the structure and managerial processes of sports organizations, Dr Slack researched and wrote a book that details the structure and design of sports organizations (including the athletic footwear companies Nike and Reebok and professional sports teams), effectiveness, strategy, and internal processes such as decision-making and change.

Sport Organizations: Structure, Context and Processes will be published by Human Kinetics.

Viable, oxygen-deficient tumor cells are known to be 2-3 times more resistant than their oxygenated counterparts, to the killing effects of x-radiation. "These hypoxic [oxygen-deficient] cells are therefore thought to play a significant role in the outcome of

clinical radiation therapy," says **Len Wiebe** (Faculty of Pharmacy and Pharmaceutical Sciences).

It's important to know if hypoxic cells are present in a tumor, so that the therapeutic regimen can be designed to minimize the probability of tumor regrowth after therapy. Dr Wiebe and his research group want to produce a "gold standard" that can detect the hypoxic cells using techniques that are not highly invasive.

Having produced the first prototype radiopharmaceutical that has demonstrated efficacy in clinical studies, the researchers determined the effect of chemical dose on the intensity of uptake by the target (hypoxic) tissue. They also developed a model that allows them to optimize the dose used in clinical studies and rationalize the design of second generation radiopharmaceuticals for the detection of tissue hypoxia.

Intern experiences having impact on classrooms, employers

Computing Science Department expects internship program will continue to grow

By Michael Robb

Computing Science professors can usually pick out the students who have returned from their industrial internship program experiences. The students' questions are informed. They're critical thinkers. And they make valuable contributions in the classrooms.

"I gained more confidence in the work I'm doing here," says Michael Bilodeau, who recently completed a 16-month internship with SHL Systemhouse, a computer consulting company in Edmonton and Calgary. "I now feel I have something useful to say."

Fellow internship student George Borlé, who worked for Bell-Northern Research in Ottawa, one of the country's largest high-tech companies, says his focus changed when he recently returned to the University setting for his final year. Like most Computing Science students, he was interested in earning top marks. Now, he's more interested in "stripping the course" for the information he wants. "I could see a lot of applications [in the work setting] for what we're learning here."

Computing Science undergraduate students who have finished their third year and who participate in the 16-month internship program say they've brought back a number of skills that will help them land jobs once they graduate. After his internship with Northern Telecom in Calgary, Brian Mah says he learned work habits in the industrial setting that he can now use in the University setting—organizational and documenting skills, for example.

The transfer works the other way, too. Industry reaps the rewards of having enthusiastic students working on projects and getting the job done. Todd Young, one of Bilodeau's Systemhouse supervisors, says Bilodeau was well suited to the task, work-

ing on a Unix machine to develop a computer process to handle the distribution of data back and forth from pipeline companies.

These internship students will also be in a better position to get jobs, confirms Young. Computer consultants have to sell people to clients, he points out, and if employees have a couple of years' experience, they're in a much better position.

Borlé, Bilodeau and Mah agree, their jobs prospects have improved as a result of their internship experiences. And they also point out that the work experience helped them determine whether or not their chosen field of study and future employment is the right one. "It confirmed I was in the right degree program," says Bilodeau.

Even though the internship program is relatively new, the department has learned a number of key things, says Ursula Maydell (Computing Science), who teaches the course associated with the internship experience, Computing 400. Particularly encouraging, she says, is the students' affirmation that the curriculum and program have taught them "to learn how to learn". In an industry where change is constant and rapid, that's an important skill for students to possess.

The internship program has also become another window for the department on the industry because returning students inform other students and staff about industrial needs and problems. Bilodeau, for example, discovered that cramming his last year with more computing science courses may not be wise. He's opted, instead, to pick up a few more business courses. And Mah has decided to pick up a pharmacy course, recognizing that the development of computer systems for the field is an emerging need.

Acting Chair Tamer Özsu says it's probably a little too early to calculate the full impact that the internship program will have on the department. Certainly the numbers will grow, possibly to a third of the total enrollment. (The department typically graduates about 75 students a year.)

Nineteen students are signed up for the 1994-95 internship year. They'll be working for companies such as AGT, Northern Telecom, IBM Canada, Canadian Utilities, Dow Chemical and PetroCanada, among others.

Professors have learned that the ability to learn and critical thinking have been skills the students have acquired in their studies. "We have no intention to try to teach them everything," says Dr Özsu. "The best we can hope for is that they learn how to learn the new stuff."

"What we're learning here is timely," Bilodeau adds.

The local employment scene is being changed by the program, as well. Some companies previously thought the Computing Science Department's graduates would be overqualified. Some had never hired graduates. However, the internship program has given these firms the opportunity to hire students for 16 months, without having to make long-term commitments. And they like what they see. As a result, more graduates will end up being hired by more local companies.

The companies are very happy with the program, says Dr Maydell.

There's a tremendous need for more of these kinds of internship programs, says Computing Science Administrative Professional Officer Brian Pinchbeck, coordinator of the program. They allow the University to establish ongoing links with industry.

Joyce Assen becomes Secretary to the Board

Paul Robison, Executive Director to the Board of Governors, will be taking early retirement effective 31 March 1995. Mrs Joyce Assen, currently Administrative Assistant in the Board Office, will assume the position of Secretary of the Board of Governors on 1 January 1995.

Robison has served as the Board Secretary for the past 10 years. Prior to that, he worked for several years in the Faculty of Arts as the Executive Assistant to the Dean. During the period January to March 1995, he will be on campus on a periodic basis in order to help ensure a smooth transition.

Notice to interlibrary loan users

Due to a computer difficulty experienced in the Interlibrary Loan and Document Delivery Department, a small number of ILL transactions may have been lost. Users of the ILL service are encouraged to contact the Interlibrary Loan and Document Delivery Department located on the 2nd floor of Cameron Library (phone 492-3795) if they have concerns regarding their requests.

1995-96 Killam Annual Professorships Application process

Applications for the 1995-96 Killam Annual Professorships are now available. All regular, continuing, full-time academic faculty members who are not on leave during 1995-96 are eligible to apply. Eight Killam Annual Professors will be selected by a subcommittee of the Killam Trusts Committee; no more than two Professorships shall be awarded to staff members in any one Faculty. Each Killam Annual Professor shall be awarded a \$2,500 prize and a commemorative scroll. The duties of Killam Annual Professors shall not be changed from those that they regularly perform.

The primary criterion for selection shall be a record of outstanding scholarship and teaching over three or more years, as evidenced by any or all of research, publications, creative activities, presented papers, supervision of graduate students, and courses taught. The secondary criterion shall be a substantial contribution to the community beyond the University by linking the applicant's University responsibilities and activities to community needs and/or development.

Awards are tenable for twelve months commencing 1 July 1995. The completed application must be received in the Office of the Vice-President (Research) no later than Friday, 27 January 1995, at 4:30 pm. The awardees shall be announced no later than Friday, 12 May, and they will be formally recognized at the Killam Dinner in the autumn of 1995 which is hosted by the Faculty of Graduate Studies and Research.

For further information and application forms, please contact Katharine Moore, Executive Assistant, Office of the Vice-President (Research), by phone: 492-0868, fax: 492-1438, or E-mail: kmoore@vm.ucs.ualberta.ca.

Academic salary/benefit settlement, 1994-95, 1995-96 and 1996-97: Days off without pay and days without pay

The AAS:UA and the Board of Governors, in July 1994, reached a basic settlement regarding salaries and benefits of academic staff covered by the Board-AAS:UA Agreements for the three-year period beginning 1 July 1994. That settlement was ratified by the two parties shortly thereafter. However, one part of the settlement required further consideration, viz.

5.1 Effective 1 July 1994, salaries in payment shall be reduced by the equivalent of six days' pay per year, i.e., six days off without pay. The particular days to be taken will be dependent upon negotiations with NASA and subsequent discussions among the parties.

5.2 Notwithstanding 5.1, the reduction in salary (take-home pay) shall be spread evenly throughout the year - with the reductions at the rate of 2.308 percent of salary rate per month, i.e., 6/260.

5.3 Contributions to the pension plan and other benefit programs tied to salary levels shall continue to be based on nominal salary.

NASA and the Board subsequently agreed to a particular "days off without pay" arrangement, enabling the Board and the AAS:UA to carry out the discussions

anticipated under section 5.1, left. The result of those discussions is a Supplementary Memorandum of Agreement, a copy of which was included in the AAS:UA Newsletter, November 1994 Second Edition. Although that document should be reasonably self-explanatory, the following points will assist to explain the six days per year:

- During the three-year period of the Agreement, the University would have been closed in any event for three days between Christmas and New Years, i.e., Christmas Day, Boxing Day (or days in lieu thereof) and the "Christmas floater". Accordingly, full closure will result in two additional days of closure during each year. In 1994, those days will be Thursday, 29 December, and Friday, 30 December.
- Each staff member is entitled to take two working days off per year, as a result of this Agreement (in addition to the two days in a., above), provided the particular days off are cleared, in advance, with the department chair, dean, director (as the case may be).
- The days off under a. and b., above, are in addition to vacation days under your Board-AAS:UA Agreement.

d) In addition to the preceding, two days have been designated as "days without pay", as opposed to "days off without pay". These are the first Wednesday in November and the first Wednesday in March (although, in 1994, the designated day was the fifth Wednesday in November because of the day in reaching the agreement). These are regular working days. The University will remain open, classes will be held, duties will be carried out as usual.

e) As indicated in Section 5.2 of the original Agreement, the reduction in take-home pay due to the six days without pay is spread evenly over the year. The normal deduction is 2.308 percent of salary (6/260) but, because of the day in implementation (September instead of July), the deduction for the period 1 July 1994 - 30 June 1995 is spread over the period 1 September 1994 - 30 June 1995 and the deduction is at 2.7696 percent of salary. Effective 1 July 1995, the deduction rate will change to 2.308 percent.

If you have any questions about this matter, please call Mr Brian McDonald, Associate Vice-President (Academic Administration), at 492-4955.

Support staff profile

Andrée Koenig: finding the right chemistry for engineers

By Dinah Gray

The stress of not knowing whom to ask for help, the fear of making a mistake, the need for a reassuring smile ... all of these feelings are familiar to people starting new projects.

Fortunately for those new to the Department of Chemical Engineering, Andrée Koenig, one of the department's two chemical technologists, is always ready to help.

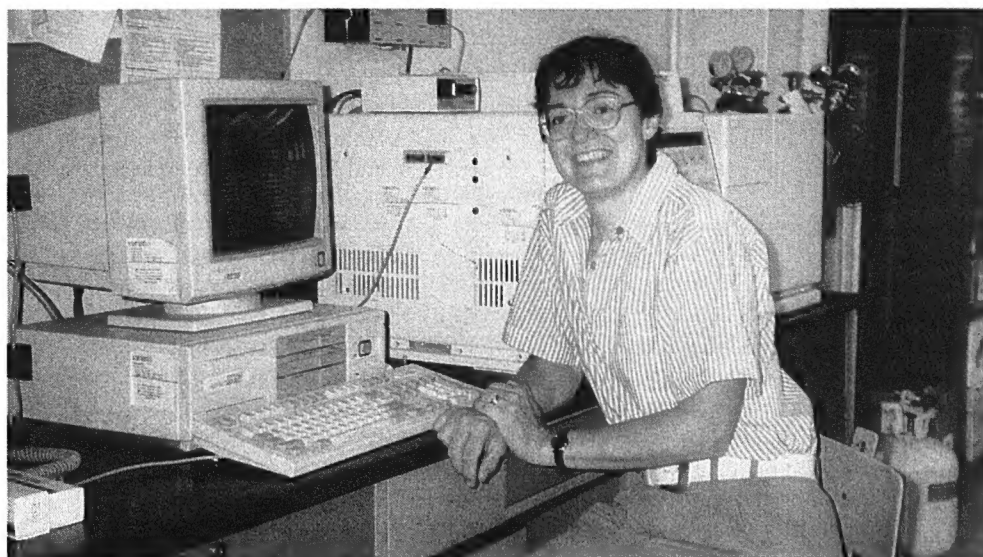
She knows the ropes and is there to help undergraduates, graduate students and visiting researchers find out everything from how to set up a chemical method to how to use computer-controlled analytical instruments.

Koenig's job description includes keeping track of 700 material safety data sheets which contain the legal paperwork required for the shipping and receiving of all chemicals for the department. Along with the

paperwork there are 23 chromatographs and six spectrometers which, she says, demand constant care.

Another component of her schedule is the set-up and running of the undergraduate labs taught in the department. Helping students get oriented and conduct their experiments brings Koenig into contact with the constantly changing student population. She has learned to work with people of varied backgrounds and has enjoyed the challenges and changes during her 14 years in the department.

Koenig holds a BSc in chemistry from Université de Montréal, has completed six university courses, three in chemistry and three in chemical engineering, and is currently taking her fourth undergraduate course in chemical engineering. She believes the chemical engineering courses



It's with aplomb that Andrée Koenig handles questions, paperwork and lab apparatuses.

have allowed her to work more effectively with department members on research projects.

When Koenig is away from the labs and the books she combines her busy schedule with that of her husband and nine-year-old

twin daughters. She says she doesn't want a simpler lifestyle, which doesn't come as a surprise since she's known both at her workplace and in her community as energetic and always ready to plunge into the next project.

EVENTS

EXHIBITIONS

CLOTHING AND TEXTILES COLLECTION

Until 10 February

"Made in Canada—Women's Factory Clothing 1935-70." This museum exhibit of women's clothing examines the history and characteristics of the Canadian garment manufacturing sector with specific reference to the production of women's wear. The exhibit also discusses the nature of Canadian fashion and the possible effects of recent trade agreements upon the garment industry. Hours: Monday to Friday, 8:30 am to 5 pm. Information: Cathy Roy, 492-3826. Basement, Home Economics Building.

EXTENSION CENTRE GALLERY

Until 20 December

"Alberta Clay"—from the Collection of The Alberta Foundation for the Arts. Gallery hours: Monday to Thursday, 8:30 am to 8 pm; Friday, 8:30 am to 4:30 pm; Saturday, 8:30 to 11:30 am. Information: 492-3034. 2-54 University Extension Centre.

FAB GALLERY

Until 23 December

"Medieval Fresco Painting in the 'Land of St Benedict'"—an exhibit of photographs of eleventh- and twelfth-century frescoes preserved in churches in the region of Italy known as "Land of St Benedict" (an area between Rome and Naples). 1-1 Fine Arts Building.

Until 23 December

"Works by MRA"—an exhibit of contemporary furniture by Mexican designer Mauricio Rodriguez Anza. Gallery hours: Tuesday to Friday, 10 am to 5 pm; Sunday, 2 to 5 pm; Saturday, Monday and statutory holidays, closed. 1-1 Fine Arts Building.

MUSIC

EDMONTON YOUTH ORCHESTRA

18 December, 3 pm

Intermediate Orchestra. Convocation Hall.

Tickets: \$7/adults; \$5/seniors and students. Information: 436-7932.

TALKS

ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH

10 January, 4 pm

Peter S McPherson, postdoctoral fellow, Department of Cell Biology, Yale University, "SH3 Domain-Mediated Interactions in the Regulation of the Synaptic Vesicle Cycle." Presented by Anatomy and Cell Biology. 5-10 Medical Sciences Building.

ANATOMY AND CELL BIOLOGY

20 December, 4 pm

A Bruce Fitcher, principal investigator, Cold Spring Harbor Laboratory, "Cyclins and the Yeast Cell Cycle Engine." 5-10 Medical Sciences Building.

LAW

12 January, noon

David Fraser, Faculty of Law, University of Sydney, "The OJ Simpson Trial and Law in the Postmodern Era." 237 Law Centre.

13 January, noon

Professor Fraser, "Holocaust Revisionism and Hate Crimes." 4th Floor, Faculty Lounge, Law Centre.

RURAL ECONOMY

19 December, 3:15 pm

Roger Sedjo, senior fellow and director, Forest Economics and Policy Program, Resources for the Future, Washington, D.C., "The Role of Forests in Climate Change: Alberta Implications." 519 General Services Building.

WOMEN'S STUDIES

9 January, 3:30 pm

Halyna Freeland, "Snapshots of Lives of Women in Ukraine." Senate Chamber, Arts Building.

Next Folio: 13 January 1995

ADS

ACCOMMODATIONS FOR RENT

MICHENER PARK - Two bedroom rowhouses and apartments for rent in University residence located in southwest Edmonton. Excellent bus service to University, utilities included. University inquiries welcome, 492-7044.

EXECUTIVE two storey on ravine in Capitol Hill! Unique interior, completely renovated in keeping with the old style. Immediate possession. \$2,000/month, lease. Western Relocation, 434-4629.

MODERN! MILLCREEK! Perfect! Fourth floor furnished condo. Southwest exposure, one bedroom, den, jacuzzi tub. Eight month lease, nonsmokers, no pets. \$800/month. Western Relocation, 434-4629.

PETROLIA/GREENFIELD - Furnished two storey, four bedroom, fireplace, family room. 1 January 1995 - 31 January 1996. \$1,200/month. Western Relocation, 434-4629.

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WEST END CONDO - Two bedrooms facing park. \$650/month, immediate possession. Western Relocation Services, 434-4629.

HORSE LOVERS MUST VIEW! Lovely farm on 65 acres with 5,000 square foot riding stable and many out buildings near Ukrainian Village. \$1,200/month. Lease two years. Western Relocation Services, 434-4629.

GLENORA EXECUTIVE - Two storey three bedroom with ravine at back door. Hardwood floors, exquisite entertainment areas. \$1,550/month lease. Western Relocation Services, 434-4629.

NEWER two bedroom on ravine. Ten minutes from University. January to March. \$900/month. No pets. References. 452-8224.

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BEAUTIFULLY RENOVATED APARTMENT - Two bedrooms. Near campus. Roomy, clean, light. Six appliances. Tiled kitchen walls/floors. 1 1/2 baths. North, west and south windows. Indoor/outdoor storage, 1,326 square feet (including patio and balcony). Indoor parking stall. \$600/month. 448-9984.

MUST SEE - Executive condo. Two bedrooms. Two full baths. Over 1,000 square feet. Washer, dryer, fireplace, jacuzzi tub. \$850/month. Includes water, heat and covered parking. Call 481-4103.

PROFESSIONAL FEMALE has spacious executive home in Glenora area to share. Large bedroom, own bathroom. References required. Call Wendy at 451-4863.

EXECUTIVE TOWNHOUSE - Three bedrooms. Convenient Riverbend location. Fireplace, five appliances, 1 1/2 baths, window coverings. Ideal for visiting professor, grad or postgrad students. Family O.K. Great bus to U of A. No pets please. Rent \$750/month. 435-8794.

RIVERBEND EXECUTIVE two storey. Four bedrooms. Many extras. 1 January. \$1,000/month plus utilities. 1 (403) 678-4854 or 452-9224.

ADJACENT TO UNIVERSITY FARM - Three bedroom house with four appliances. On bicycle route. Desire visiting professor or postgraduate student. \$700/month plus utilities. Phone 434-6791.

MILLCREEK - Walking distance to University. Two bedroom basement suite. Newly renovated. \$330/month (neg). 9837 93 Avenue. Available 1 January. 433-2438.

INTERESTED in buying, selling or leasing a condominium? Call me first. Available from \$33,000 to \$474,500. Ask for Connie Kennedy, condo consultant/specialist, 25 years. Re/Max, 488-4000.

ACCOMMODATIONS FOR SALE

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HOUSE FOR SALE - Approximately 1,800 square feet. Five-minutes walking distance from U of A. Hardwood floors, four bedrooms, new paint, new roof, single garage. Please call Aspire Group Realty, 424-7157 or 437-0697.

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CARRINGTON PLACE - Sparkling one bedroom condo with easy access to parking (ground floor unit). Janet Jenner, Spencer Real Estate, 435-0808.

ORIGINAL OWNER HOME - On two lots, RF5 zoning. Perfect starter home with investment potential. Near public transportation, schools and shopping. Janet Jenner, Spencer Real Estate, 435-0808.

WINDSOR PARK - Custom-built, 3,200 square foot eight-year-old two storey. Unique design with extra main floor, separate living quarters for parents, nanny, extended family, etc. Double garage, huge lot. Must sell. Liz Crockford, Spencer Realty, 435-0808.

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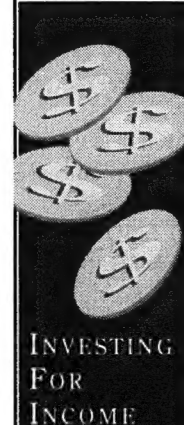
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